

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q90872

Toru ONODERA, et al.

Appln. No.: Unassigned

Confirmation No.: Unassigned

Group Art Unit: Unassigned

Filed: October 27, 2005

Examiner: Unassigned

For: AROMATIC-POLYETHER-TYPE ION-CONDUCTIVE ULTRAHIGH POLYMER,  
INTERMEDIATE THEREOF, AND PROCESSES FOR PRODUCING THESE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. JP-A 2003-331868 published November 21, 2003, to JSR Corp., with English Abstract.
2. JP-A 10-21943 published January 23, 1998, to Sumitomo Chemical Co., Ltd., with English Abstract.
3. JP-A 2002-220469 published August 9, 2002, to Sumitomo Chemical Co., Ltd., with English Abstract.
4. JP-A 2003-238665 published August 27, 2003, to Sumitomo Chemical Co., Ltd., with English Abstract.

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5. JP-A 2002-305007 published October 18, 2002, to Honda Motor Co., Ltd., with English Abstract.
6. JP-A 2003-100317 published April 4, 2003, to Hitachi, Ltd., with English Abstract.
7. T. Yamamoto, “ $\pi$ -Conjugated Polymers Bearing Electronic and Optical Functionalities. Preparation by Organometallic Polycondensations, Properties, and Their Applications”, *Bull. Chem. Soc. Jpn.*, Vol 72, 1999, pp. 621-638.
8. J.M. Lambert et al., “Synthesis of Segmented Poly(Arylene Ether Sulfone)-Poly(Arylene Terephthalate) Copolymers”, *Polymer Science and Technology*, Vol. 31, 1985, pp. 93-112.

One copy of each of the listed documents is submitted herewith, along with a copy of the International Search Report which identifies items 1-6 listed above.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

Date: October 27, 2005

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	Unassigned <i>10/554707</i>
<i>(use as many sheets as necessary)</i>				Confirmation Number	Unassigned
				Filing Date	October 27, 2005
				First Named Inventor	Toru ONODERA
				Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	Q90872

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
	US				

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	JP	2003-331868	A	11-21-2003	JSR Corp.	Abstract	
	JP	10-21943	A	01-23-1998	Sumitomo Chemical Co., Ltd.	Abstract	
	JP	2002-220469	A	08-09-2002	Sumitomo Chemical Co., Ltd.	Abstract	
	JP	2003-238665	A	08-27-2003	Sumitomo Chemical Co., Ltd.	Abstract	
	JP	2002-305007	A	10-18-2002	Honda Motor Co., Ltd.	Abstract	
	JP	2003-100317	A	04-04-2003	Hitachi Ltd.	Abstract	

<b>NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.				Translation <sup>6</sup>
		T. Yamamoto, "π-Conjugated Polymers Bearing Electronic and Optical Functionalities. Preparation by Organometallic Polycondensations, Properties, and Their Applications", <i>Bull. Chem. Soc. Jpn.</i> , Vol 72, 1999, pp. 621-638				
		J.M. Lambert et al., "Synthesis of Segmented Poly(Arylene Ether Sulfone)-Poly(Arylene Terephthalate) Copolymers", <i>Polymer Science and Technology</i> , Vol. 31, 1985, pp. 93-112				

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.